UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF TEXAS MARSHALL DIVISION

TRANSCEND SHIPPING SYSTEMS, LLC,

Plaintiff,

V.

PREMIER TRAILERS, LLC d/b/a PREMIER TRAILER LEASING,

Defendant.

Case No. 6:22-cv-0186

JURY TRIAL DEMANDED

ORIGINAL COMPLAINT FOR PATENT INFRINGEMENT

Transcend Shipping Systems, LLC ("Transcend") hereby files this Original Complaint for Patent Infringement against Premier Trailers, LLC d/b/a Premier Trailer Leasing ("Defendant" and "Premier"), and alleges, upon information and belief, as follows:

THE PARTIES

- 1. Transcend is a limited liability company organized and existing under the laws of the State of Florida with its principal place of business at 600 S. Dixie Highway, Suite 605, West Palm Beach, Florida 33401.
- 2. Upon information and belief, Premier Trailer, LLC is a limited liability company organized and existing under the laws of the state of Delaware with its principal corporate office at 5201 Tennyson Parkway, Suite 250, Plano, Texas 75024.

JURISDICTION AND VENUE

3. Subject matter jurisdiction is proper under 28 U.S.C. §§ 1331, 1332, 1338, and 1367.

4. The Court has personal jurisdiction under the Texas Long Arm Statute and the Due Process Clause

of the U.S. Constitution over Premier because they are present within or have minimum contacts

within the State of Texas, including the Western District of Texas.

Premier has sought protection and benefit from the laws of the State of Texas; Premier regularly

conducts business within the State of Texas and within the Western District of Texas; and Plaintiff's

cause of action arises directly from Premier's business contacts and other activities in the State of

Texas and in the Western District of Texas. More specifically, Premier, directly and/or through

intermediaries, ship, distribute, use, offer for sale, sell, and/or advertise products and services in the

United States, the State of Texas, and the Western District of Texas including but not limited to the

Accused Instrumentalities as detailed below. Upon information and belief, Premier has committed

patent infringement in the State of Texas and in the Western District of Texas. Premier solicits and

has solicited customers in the State of Texas and in the Western District of Texas. Premier has

paying customers, who are residents of the State of Texas and the Western District of Texas, who

each use and have used the Premier's products and services in the State of Texas and in the Western

District of Texas.

5.

6. As an example, Premier has its principal corporate office in Plano, Texas. (See Figure 1 below).

Corporate Office

Address: 5201 Tennyson Pkwy, Suite 250, Plano 75024

Hours: (M-F) 8AM - 5PM Central Time

Phone: 888-434-0889 Fax: 817-421-2066

Email: X: corporate@premier-us.net

Figure 1¹

¹ Source, as visited on February 18, 2022:

https://premiertrailerleasing.com/company/locations#Corporate%20Office s

- 7. Upon information and belief, the registered agent for Premier in Texas is Business Filings Incorporated at 701 Brazos Street, Ste. 720, Austin, Texas 78701.
- 8. Venue is proper pursuant to 28 U.S.C. §§ 1391 and 1400(b).

PATENTS-IN-SUIT

- 9. Transcend Shipping Systems, LLC is the sole and exclusive owner, by assignment, of U.S. Patent Nos. 7,253,731 ("the '731 Patent"); 7,482,920 ("the '920 Patent"); 9,847,029 ("the '029 Patent"); 10,181,109 ("the '109 Patent"); and 10,796,268 ("the '268 Patent") (hereinafter collectively referred to as "the Transcend Patents").
- 10. The Transcend Patents are valid, enforceable, and were duly issued in full compliance with Title 35 of the United States Code.
- 11. The Transcend Patents each include numerous claims defining distinct inventions.
- 12. The priority date of each of the Transcend Patents is at least as early January 23, 2001. As of the priority date, the inventions as claimed were novel, non-obvious, unconventional, and non-routine.
- 13. Plaintiff alleges infringement on the part of Premier of each of the Transcend Patents.
- 14. The '731 Patent relates generally to an apparatus, including a shipment conveyance device, associated with a shipment, which is a shipping a container, pallet, or tote, a memory device, located at the shipment conveyance device, in which information regarding the shipment is stored, a global positioning device, located at the shipment conveyance device, which determines a position or location of the shipment conveyance device, a processing device which processes information regarding the shipment and/or shipment conveyance device in response to an occurrence of an event or in response to a request for information and generates a message containing information regarding the position or location of the shipment conveyance device and information regarding the occurrence of an event, a status of the shipment, a shipment temperature, or an impact or force on the shipment

- conveyance device, and a transmitter, located at the shipment conveyance device, which transmits the message to a communication device. *See* Abstract, '731 Patent.
- 15. The '920 Patent relates generally to an apparatus, including a shipment conveyance device which is a shipping container, pallet, piece of luggage, or tote, a memory device located in, on, or at, the shipment conveyance device which stores information regarding the shipment conveyance device, a global positioning device located in, on, or at, the shipment conveyance device which determines a position or location of the shipment conveyance device, a processing device which processes information regarding the shipment conveyance device in response to an occurrence of an event or a request for information and which generates a message containing information regarding the position or location of the shipment conveyance device and information regarding the occurrence of an event, a status of a shipment or transportation involving the shipment conveyance device, a temperature, or an impact or force on the shipment conveyance device, and a transmitter located in, on, or at, the shipment conveyance device which transmits the message to a communication device. *See* Abstract, '920 Patent.
- 16. The '029 Patent relates generally to an apparatus, including a shipment conveyance device which is a shipping container, pallet, or piece of luggage, a memory device located in, on, or at, the shipment conveyance device which stores information regarding the shipment conveyance device, a global positioning device which determines a position or location of the shipment conveyance device, a processing device which processes information regarding the shipment conveyance device in response to an occurrence of an event or a request for information and which generates a message containing information regarding the position or location of the shipment conveyance device and information regarding the occurrence of an event, a status of a shipment or transportation involving the shipment conveyance device, a temperature, or an impact or force on the shipment conveyance

device, and a transmitter located in, on, or at, the shipment conveyance device which transmits the message to a communication device. *See* Abstract, '029 Patent.

- 17. The '109 Patent relates generally to an apparatus, including a shipment conveyance device, wherein the shipment conveyance device is a shipping container, pallet, or piece of luggage; a receiver; a global positioning device which is located in, on, or at, the shipment conveyance device and which determines a position or location of the shipment conveyance device; a processor which generates a message in response to an occurrence of an event or in response to a request for information regarding the shipment conveyance device, wherein the request for information is automatically received by the receiver, wherein the message contains information regarding a position or location of the shipment conveyance device; and a transmitter which is located in, on, or at, the shipment conveyance device and which transmits the message to a communication device associated with an owner of the shipment conveyance device or an individual authorized to receive the message. *See* Abstract, '109 Patent.
- 18. The '268 Patent relates generally to an apparatus, including a shipment conveyance device which is a shipping container, a pallet, or a piece of luggage; a global positioning device, located in, on, or at, the shipment conveyance device, which determines a position or location of the shipment conveyance device; a processor which generates a message in response to an occurrence of an event or in response to a request for information regarding the shipment conveyance device which request is automatically received by a receiver, and which message contains information regarding a shipment of the shipment conveyance device; and a transmitter, located in, on, or at, the shipment conveyance device, which transmits the message to a communication device associated with an owner of the shipment conveyance device or an individual authorized to receive the message. *See* Abstract, '268 Patent.

- 19. The claims of the Transcend Patents are not drawn to laws of nature, natural phenomena, or abstract ideas. Although the systems and methods claimed in the Transcend Patents are ubiquitous now (and, as a result, are widely infringed), the specific combinations of elements, as recited in the claims, was not conventional or routine at the time of the invention.
- 20. The '731 Patent was examined by Primary United States Patent Examiner Van T. Trieu. During the examination of the '731 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: 340/539.13, 340/568.1 and 340/572.1.
- 21. After conducting searches for prior art during the examination of the '731 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the searches: (i) US 3,669,288, 06/1972, Young; (ii) US 5,317,323, 05/1994, Kennedy et al.; (iii) "Envirokare announces letter of intent with Electroship . . ." 2 page Envirokare press release dated Jul. 25, 2000"; (iv) US 5,825,283, 10/1998, Camhi; (v) US 6,044,990, 04/2000, Palmeri; (vi) US 6,464,142, 10/2002, Denenberg et al.; (vii) US 2002/0017996, 02/2002, Niemiec; (viii) FR 2816434, 05/2002, Touzet; (ix) US 5,877,707, 03/1999, Kowalick; (x) US 5,917,405, 06/1999, Joao; (xi) US 5,917,434, 06/1999, Murphy; (xii) US 6,046,678, 04/2000, Wilk; (xiii) US 6,148,291, 11/2000, Radican; (xiv) US 6,281,797, 08/2001, Forster et al.; (xv) US 6,292,828, 09/2001, Williams; (xvi) US 6,332,098, 12/2001, Ross et al.; (xviii) US 6,474,927, 11/2002, McAdams et al.; (xix) US 6,542,076, 04/2003, Joao; (xx) US 6,542,077, 04/2003, Joao; (xxi) US 6,549,130, 04/2003, Joao; (xxii) US 6,587,046, 07/2003, Joao; (xxiii) US 6,610,954, 08/2003, Takizawa; (xxiv) US 6,844,473, 01/2005, Quinlin et al.; (xxv) US 2002/0016655, 02/2002, Joao; (xxvi) US 2002/0049622, 04/2002, Lettich et al.; (xxvi) US 2002/0049622, 04/2002, Lettich et al.; (xxvii) US 2002/0116318, 08/2002, Thomas et al.; (xxviii) US 2002/0121969, 09/2002, Joao; (xxix) US 2002/0198774, 12/2002, Weirich; (xxx) US 2003/0009361, 01/2003, Hancock et al.; (xxxi) US

2003/0016130, 01/2003, Joao; (xxxii) US 2003/0067541, 04/2003, Joao; (xxxiii) US 2003/0071899, 04/2003, Joao; (xxxiv) US 2003/0084125, 05/2003, Nagda et al.; (xxxv) US 2003/0193404, 10/2003, Joao; (xxxvi) US 2003/0206102, 11/2003, Joao; (xxxvii) US 2004/0160319, 08/2004, Joao; (xxxviii) US 2004/0230601, 11/2004, Joao; (xxxix) US 2005/0171835, 08/2005, Mook et al.; (xxxx) US 2005/0248444, 11/2005, Joao; (xxxxi) "Technology Executive . . . joins Envirokare as president and Director", 2 page Envirokare press release dated Sep. 5, 2000; and (xxxxii) "Envirokare Tech Inc. announces additions to advisory board", 3 page Envirokare press release dated Sep. 7, 2000.

- 22. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '731 Patent to issue. In so doing, it is presumed that Examiner Trieu used his or her knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC,* 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Trieu has experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee,* 277 F.3d 1338, 1345 (Fed. Cir. 2002).
- 23. The '731 Patent is a pioneering patent, and has been cited as relevant prior art in over 130 subsequent United States Patent Applications, including Applications assigned to technology and business leaders such as Google, Inc., AT&T, FedEx, Qualcomm, Inc., Fujitsu, Ltd., United Parcel Services of America, American Airlines and NEC Corp.
- 24. The '920 Patent was examined by Primary United States Patent Examiner Van T. Trieu. During the examination of the '920 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: 340/539.11, 340/568.1 and 340/572.1.
- 25. After conducting searches for prior art during the examination of the '731 Patent, the United States

 Patent Examiner identified and cited the following as the most relevant prior art references found

- during the searches: (i) US 5,825,283, 10/1998, Camhi; (ii) US 6,046,678, 04/2000, Wilk; (iii) US 6,148,291, 11/2000, Radican; (iv) US 6,323,782, 11/2001, Stephens et al.; (v) US 6,429,810, 08/2002, De Roche; (vi) US 6,610,954, 08/2003, Takizawa; (vii) US 6,745,027, 06/2004, Twitchell, Jr.; and (viii) US 6,882,269, 04/2005, Moreno.
- 26. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '920 Patent to issue. In so doing, it is presumed that Examiner Trieu used his or her knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC,* 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Trieu has experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee,* 277 F.3d 1338, 1345 (Fed. Cir. 2002).
- 27. The '920 Patent is a pioneering patent, and has been cited as relevant prior art in over 130 subsequent United States Patent Applications, including Applications assigned to technology and business leaders such as Google, Inc., AT&T, FedEx, Qualcomm, Inc., Fujitsu, Ltd., United Parcel Services of America, American Airlines and NEC Corp.
- 28. The '029 Patent was examined by Primary United States Patent Examiner Van T. Trieu. During the examination of the '029 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: G08G 1/20, G01S 13/84, G06Q 10/08, G06Q 10/087, G08B 1/08, G08G 1/202, G08G 1/205, H04W 4/02, and H04W 4/021.
- 29. After conducting searches for prior art during the examination of the '029 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the searches: (i) US 5,640,002, 06/1997, Ruppert et al.; (ii) US 5,825,283, 10/1998, Camhi; (iii) US 5,959,568, 09/1999, Woolley; (iv) US 6,046,678, 04/2000, Wilk; (v) US 6,148,291,

- 11/2000, Radican; (vi) US 6,281,797, 08/2001, Forster et al.; (vii) US 6,304,856, 10/2001, Soga; (viii) US 6,356,802, 03/2002, Takehara; (ix) US 6,411,891, 06/2002, Jones; (x) US 6,429,810, 08/2002, De Roche; (xi) US 6,610,954, 08/2003, Takizawa; (xii) US 6,745,027, 06/2004, Twitchell, Jr.; (xiii) US 6,748,318, 06/2004, Jones; (xix) US 6,859,722, 02/2005, Jones; (xx) US 6,882,269, 04/2005, Moreno; (xxi) US 6,904,359, 06/2005, Jones; (xxii) US 7,035,856, 04/2006, Morimoto; (xxiii) US 7,085,775, 08/2006, Short et al.; (xxiv) US 7,212,829, 05/2007, Lau et al.; (xxv) US 2002/0046173, 04/2002, Kelly; (xxvi) US 2002/0061758, 05/2002, Zarlengo et al.; (xxvii) US 2002/0120475, 08/2002, Morimoto; and (xxviii) US 2002/0132855, 07/2003, Swan.
- 30. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '029 Patent to issue. In so doing, it is presumed that Examiner Trieu used his or her knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC,* 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Trieu has experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee,* 277 F.3d 1338, 1345 (Fed. Cir. 2002).
- 31. The '029 Patent is a pioneering patent, and has been cited as relevant prior art in over 130 subsequent United States Patent Applications, including Applications assigned to technology and business leaders such as Google, Inc., AT&T, FedEx, Qualcomm, Inc., Fujitsu, Ltd., United Parcel Services of America, American Airlines and NEC Corp.
- 32. The '109 Patent was examined by Primary United States Patent Examiner Van T. Trieu. During the examination of the '109 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: G06Q 10/08, G06Q 10/083, G06Q 10/087, H04W 4/02, and H04W 4/021.

- After conducting searches for prior art during the examination of the '109 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the searches: (i) US 5,959,568, 09/1999, Woolley; (ii) US 7,035,856, 04/2006, Morimoto; (iii) US 7,212,829, 05/2007, Lau et al.; (iv) US 7,253,731, 08/2007, Joao; (v) US 9,847,029, 12/2017, Joao; and (vi) US 2002/0120475, 08/2002, Morimoto.
- 34. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '109 Patent to issue. In so doing, it is presumed that Examiner Trieu used his or her knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC,* 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Trieu has experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee,* 277 F.3d 1338, 1345 (Fed. Cir. 2002).
- 35. The '109 Patent is a pioneering patent, and has been cited as relevant prior art in over 130 subsequent United States Patent Applications, including Applications assigned to technology and business leaders such as Google, Inc., AT&T, FedEx, Qualcomm, Inc., Fujitsu, Ltd., United Parcel Services of America, American Airlines and NEC Corp.
- 36. The '268 Patent was examined by Primary United States Patent Examiner Van T. Trieu. During the examination of the '268 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: G06Q 10/08 and G06Q 10/083.
- After conducting searches for prior art during the examination of the '268 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the searches: (i) US 5,959,568, 09/1999, Woolley; (ii) US 6,148,291, 1/2000, Radican; (iii)

- US 6,492,904, 12/2002, Richards; (iv) US 7,035,856, 04/2006, Morimoto; (v) US 10,181,109, 01/2019, Joao; and (vi) US 2002/0111819, 08/2002, Li.
- 38. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '268 Patent to issue. In so doing, it is presumed that Examiner Trieu used his or her knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC,* 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Trieu has experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee,* 277 F.3d 1338, 1345 (Fed. Cir. 2002).
- 39. The '268 Patent is a pioneering patent, and has been cited as relevant prior art in over 130 subsequent United States Patent Applications, including Applications assigned to technology and business leaders such as Google, Inc., AT&T, FedEx, Qualcomm, Inc., Fujitsu, Ltd., United Parcel Services of America, American Airlines and NEC Corp.
- 40. The claims of the Transcend Patents were all properly issued, and are valid and enforceable for the respective terms of their statutory life through expiration, and are enforceable for purposes of seeking damages for past infringement even post-expiration. *See, e.g., Genetics Institute, LLC v. Novartis Vaccines and Diagnostics, Inc.*, 655 F.3d 1291, 1299 (Fed. Cir. 2011) ("[A]n expired patent is not viewed as having 'never existed.' Much to the contrary, a patent does have value beyond its expiration date. For example, an expired patent may form the basis of an action for past damages subject to the six-year limitation under 35 U.S.C. § 286") (internal citations omitted).
- 41. The expiration dates of the Transcend Patents are at least the following: the '731 Patent expired on August 7, 2019 due to nonpayment of maintenance fees; the '920 Patent expires no earlier than April

27, 2022; the '029 Patent expires no earlier than November 1, 2023; the '109 Patent expires no earlier than January 22, 2022; and the '268 Patent expires no earlier than January 22, 2022.

ACCUSED INSTRUMENTALITIES

42. Upon information and belief, Premier sells, advertises, offers for sale, uses, or otherwise provides shipment conveyance devices including, but not limited to, dry van trailers, refrigerated trailers, refrigerated lift gate trailers, lift gate trailers, flatbed trailers and chassis trailers, all of which incorporate monitoring and control systems, for shipping and/or delivering goods, products, items, and/or other objects that infringe the Transcend Patents.

COUNT I

(Infringement of U.S. Patent No. 10,181,109)

- 43. Plaintiff incorporates the above paragraphs by reference.
- 44. Premier has been on actual notice of the '109 Patent at least as early as the date it received service of this Original Complaint.
- 45. On information and belief, Premier owns and controls the operation of the Accused Instrumentalities and generates substantial financial revenues therefrom.
- 46. Upon information and belief, Premier has directly infringed and continues to directly infringe at least claims 1, 8, 10, and 14 of the '109 Patent by making, using, importing, selling, and/or, offering for sale the Accused Instrumentalities.
- 47. Premier, with knowledge of the '109 Patent, also infringes at least claims 1, 8, 10, and 14 of the '109 Patent by inducing others to infringe the '109 Patent. In particular, Premier intends to induce its customers to infringe the '109 Patent by encouraging its customers to use the Accused Instrumentalities in a manner that results in infringement.

- 48. Premier also induces others, including its customers, to infringe at least claims 1, 8, 10, and 14 of the '109 Patent by providing technical support for the use of the Accused Instrumentalities.
- 49. Upon information and belief, Premier makes, uses, sells and offers for sale an apparatus, comprising, a shipment conveyance device, wherein the shipment conveyance device is a shipping container, a pallet, or a piece of luggage. For example, Premier provides dry van trailers, refrigerated trailers, refrigerated trailers, lift gate trailers, flatbed trailers and chassis trailers ("shipment conveyance devices"), which incorporate monitoring and control systems, for shipping and/or delivering goods, products, items, and/or other objects. See Figures 2-7 below, which are screenshots of webpages associated with Premier.



Figure 2²

² Source, as visited on February 18, 2022: https://premiertrailerleasing.com/trailers/dry-vans

REFRIGERATED TRAILERS (REEFERS)

Need constant cold chain management? Our refrigerated trailers have advanced technology that lets you chill out.

Refrigerated vans (reefers) from Premier Trailer Leasing are the most advanced in the industry. Our late-model reefers are packed with the most powerful technology available so you can monitor and manage your fleet any time, anywhere, to stay in constant control of your cold chain operations.

Premier makes refrigeration transportation easier





Keep every square inch of your cargo cool Premier's late-model refrigerated trailers are configured with air chutes to eliminate any hot spots, protecting your freight and minimizing cargo claims.



Constant control to stay on top of issues before they become problems

Every Premier reefer is equipped with real-time temperature monitoring and two-way remote control. From any smart device you can run pre-trips, change operation mode, turn units on/off and even adjust temperature remotely. You'll also receive real-time alerts for low fuel, low battery voltage, reefer health status and shut down alarms so you can address issues before they occur. Temperature compliance reports are immediately available, which helps you comply with the Food Safety Modernization Act (FSMA). Learn more



Anything you want to know about your account is at your fingertips

Premier's customer dashboard provides up-to-theminute details on all your Premier rentals and leases. This powerful web-based interface accesses everything from the status of your trailer fleet on the road to the financial and administrative details of your account to help you improve your productivity. Learn more >



Telematics can be a major power draw on idle trailers. And if the battery goes dead, you've lost your remote connection to the unit. To offset the power drain, Premier reefers come standard with a 26-watt weatherproof solar panel. It greatly extends battery life and prevents expensive road calls. Plus you get additional fuel savings while protecting the alternator and engine from unnecessary maintenance.



Most of the Premier fleet is equipped with fuel-saving features including durable aero devices to meet the special requirements for C.A.R.B. and EPA SmartWay compliance. And Premier takes care of all registrations while eliminating the hassle of complying with ever-changing regulations. Learn more >



It's like riding on air - literally Every refrigerated trailer is equipped with an air-ride suspension to protect delicate cargo, maximize your load versatility with back-hauls, and improve driver satisfaction.

Figure 3³

³ Source, as visited on February 18, 2022: https://premiertrailerleasing.com/trailers/reefers

REFRIGERATED LIFT GATE TRAILERS

Need constant cold chain management and the benefit of reliable lift gate loading and unloading? Our refrigerated lift gate trailers deliver both.

Premier Trailer Leasing late-model reefer lift gates have the most powerful technology available to monitor and manage your fleet anytime, anywhere, to stay in constant control of your cold chain operations.

Your local branch can provide you with information about equipment availability and partner with you to create a trailer outsourcing solution to fit your needs

Our reefer lift gates make refrigeration transportation easier



Tough trailers with power to spare
Our reefer lift gates are more than ready for the rigors of the road. All units are equipped with heavy-duty 5,500 lb capacity rail gates so you can handle the toughest loads with confidence

Galvanized gates for long-lasting performance
Rust and corrosion can significantly impact the reliability of a lift gate. That's why ours are fully galvanized, keeping them looking and working like new even after thousands of miles and operating cycles. Plus the 84" x 86" platform provides ample space for lifting larger cargo

Keeping the battery up and service calls down Battery failure can be a costly issue facing fleets with both refrigeration units and lift gates. The Purkey's Direct Max lift gate charging system utilizes a dual pole connection and voltage drop compensation to provide a faster recharge, maximizing energy transfer from the truck to the lift gate batteries, thus extending battery life and reducing downtime. We've also added solar panels onto the refrigeration units to help maintain healthy reefer battery voltage.

Keep every square inch of your cargo cool Premier's late-model refrigerated lift gate trailers are configured with flat floors and one row of E-track. Air chutes eliminate hot spots, protecting your freight and minimizing cargo claims.

Constant control, ongoing visibility and complete traceability throughout the supply chain

Every Premier reefer liftgate is equipped with temperature monitoring, two-way remote control and GPS tracking. From your desktop or any smart device, you can remotely turn the units on/off, change set point, change operating mode, run pre-trips or initiate a defrost. You'll receive real-time alert notifications for shutdown alarms, low fuel levels, low battery voltage and other mechanical issues that could occur, as they happen. Instantly download reports to save and share with your customers, assisting you with regulatory compliance and traceability. Learn more >

Air ride suspension...
your drivers
All Premier refrigerated lift gate trailers are equipped with an air-ride suspension to protect delicate cargo, maximize your load versatility with back-hauls, and improve driver satisfaction.

Figure 4⁴

⁴ Source, as visited on February 18, 2022: https://premiertrailerleasing.com/trailers/reefer-lift-gates



Figure 5⁵



Figure 6⁶

⁵ Source, as visited on February 18, 2022: https://premiertrailerleasing.com/trailers/lift-gates

⁶ Source, as visited on February 18, 2022: https://premiertrailerleasing.com/trailers/flatbeds



Figure 7⁷

50. Upon information and belief, Premier provides a global positioning device, wherein the global positioning device is located in, on, or at, the shipment conveyance device, and further wherein the global positioning device determines a position or location of the shipment conveyance device. For example, Premier's shipping containers incorporate a monitoring and control system which comprises a global positioning device to determine a position/location of the shipping container. See Figures 2-7 above. See also Figure 8 below, which is a screenshot of a webpage associated with Premier.

⁷ Source, as visited on February 18, 2022: https://premiertrailerleasing.com/trailers/chassis



Figure 8⁸

51. Upon information and belief, Premier provides a processor, wherein the processor generates a message in response to an occurrence of the event or in response to a request for information regarding the shipment conveyance device, wherein the request for information is automatically received by the receiver, wherein the message contains information regarding a position or location of the shipment conveyance device. For example, Premier's shipping containers incorporate a monitoring and control system which, on information and belief, include processing devices which measure information related to the shipping container, including one or more of, but not limited to, the location of the shipping container and the temperature in the shipping container. Therefore, Premier provides a processor which processes information regarding the shipment conveyance device. As a further example, Premier's shipping containers equipped with a monitoring and control system detect an event including one or more of, but not limited to, deviation in temperature and deviation in planned route and, in response to the detected event, send alerts ("message") containing

⁸ Source, as visited on February 18, 2022: https://premiertrailerleasing.com/services/equipment/trailer-tracking

information about the event to the customers of Premier. On information and belief, these alerts are viewed via a desktop application and/or a mobile application provided by Premier. Therefore, on information and belief, Premier provides a processor which generates a message in response to occurrence of an event and the message contains information regarding the position and location of the shipment conveyance device. As a further example, Premier's shipping containers, that incorporate a monitoring and control system, measure information using sensors including one or more of, but not limited to, a GPS sensor and a temperature sensor, and transmit information in the form of alerts to Premier's customers after a request for information is received by Premier automatically. Therefore, on information and belief, Premier provides a receiver which receives a request for information automatically. See Figures 2-8 above. See also Figures 9-11 below, which are screenshots of webpages associated with Premier.

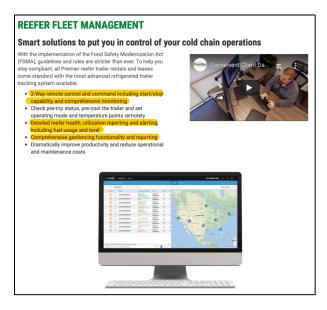


Figure 9⁹

⁹ Source, as visited on February 18, 2022: https://premiertrailerleasing.com/services/equipment/reefer-fleet-management

Complying with FSMA just got easier The Food Safety Modernization Act is the most sweeping r

The Food Safety Modernization Act is the most sweeping reform of food safety laws in 70 years, affecting everything from transportation operations to training and records. Advanced reefer trailer temperature monitoring delivers intelligence that puts you in better control of your cold chain operation.

- Alerts and notifications. Real-time alerts for temperature, location and reefer health status
 allow you to address issues before they occur.
- Dashboard/reporting: Instant and complete data retention, record keeping and reporting you
 - can even replay any part of a journey for complete traceability.
- Automated actions based on FSMA: Automate actions based on FSMA and shipper requirements such as maintenance, temperature control, pre-cool, sanitation, product segregation, training and record keeping.
- Map visualization Real-time visibility of location, temperature, speed, safety, fuel, door and incident trending and analysis.



Figure 10¹⁰

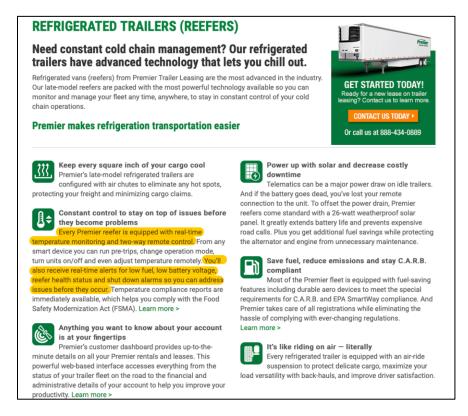


Figure 11¹¹

52. Upon information and belief, Premier provides a transmitter, wherein the transmitter is located in, on, or at, the shipment conveyance device, and further wherein the transmitter transmits the message

¹⁰ Source, as visited on February 18, 2022: https://premiertrailerleasing.com/services/equipment/reefer-fleet-management

¹¹ Source, as visited on February 18, 2022: https://premiertrailerleasing.com/trailers/reefers

to a communication device associated with an owner of the shipment conveyance device, a receiver of the shipment conveyance device, or an individual authorized to receive the message. For example, Premier's shipping containers ("shipment conveyance device"), that incorporate a monitoring and control system, send information ("message") including one or more of, but not limited to, location and temperature, to Premier's customers. As a result, the customers monitor their shipments present in the shipping containers using a computer or mobile device. Therefore, Premier provides a transmitter for transmitting a message to a communication device associated with an owner or an individual authorized to receive the message. See Figures 2-11 above.

- Upon information and belief, Premier provides a sensor, wherein the sensor monitors or measures a temperature during a shipment or a transportation of the shipment conveyance device, a shock exerted on the shipment conveyance device, an impact exerted on the shipment conveyance device, or a force exerted on the shipment conveyance device. For example, Premier's shipping containers, that incorporate a monitoring and control system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Premier's shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device. See Figures 3, 4 and 9-11 above.
- 54. Upon information and belief, Premier also provides a message which contains information regarding a temperature during the shipment or the transportation, a change in a shipment or transportation temperature, or an impact or force exerted on the shipment conveyance device. For example, Premier's shipping containers, that incorporate a monitoring and control system, monitors at least a temperature in the shipping container and transmits this temperature information ("message") to Premier's customers. As a further example, Premier's shipping containers detects changes in the temperature in the shipping container and transmit an alert ("message") to Premier's customers if the

change exceeds a predetermined threshold. Therefore, Premier provides a message which contains information regarding temperature of shipment. See Figures 3, 4 and 9-11 above.

- 55. Upon information and belief, Premier further provides an apparatus wherein the event is a detection of a deviation from a pre-determined shipment or transportation route associated with a shipment or a transportation of or involving the shipment conveyance device. For example, Premier's shipping, that incorporate a monitoring and control system, include software for geofencing that ensures the container stays within a specified port or roadway. Therefore, on information and belief, Premier's shipping containers detect events related to deviation from a pre-determined transportation route (e.g., "geofencing"). See Figures 2, 5 and 6-9 above.
- 56. Upon information and belief, Premier further provides an apparatus wherein the shipping container, the pallet, or the piece of luggage, is a refrigerated container, a heated container, or an insulated container. For example, some of Premier's shipping containers are temperature controlled containers. See Figures 3, 4 and 9-11 above.
- 57. To the extent Premier continues, and has continued, its infringing activities noted above in an infringing manner post-notice of the '109 Patent, such infringement is necessarily willful and deliberate.
- 58. On information and belief, Premier has a policy or practice of not reviewing the patents of others. Further on information and belief, Premier instructs its employees to not review the patents of others for clearance or to assess infringement thereof. As such, Premier has been willfully blind to the patent rights of Plaintiff.
- 59. Each of Premier's aforesaid activities has been without authority and/or license from Plaintiff.

COUNT II

(Infringement of U.S. Patent No. 9,847,029)

- 60. Plaintiff incorporates the above paragraphs by reference.
- 61. Premier has been on actual notice of the '029 Patent at least as early as the date it received service of this Original Complaint.
- 62. On information and belief, Premier owns and controls the operation of the Accused Instrumentalities and generates substantial financial revenues therefrom.
- Olaims 2, 12, 15, and 19 of the '029 Patent by making, using, importing, selling, and/or, offering for sale the Accused Instrumentalities.
- 64. Premier, with knowledge of the '029 Patent, also infringes at least Claims 2, 12, 15, and 19 of the '029 Patent by inducing others to infringe the '029 Patent. In particular, Premier intends to induce its customers to infringe the '029 Patent by encouraging its customers to use the Accused Instrumentalities in a manner that results in infringement.
- 65. Premier also induces others, including its customers, to infringe at least Claims 2, 12, 15, and 19 of the '029 Patent by providing technical support for the use of the Accused Instrumentalities.
- 66. As described above (*see* ¶ 49), and upon information and belief, Premier makes, uses, sells and offers for sale an apparatus, comprising, a shipment conveyance device, wherein the shipment conveyance device is a smart container, a pallet, or a piece of luggage. For example, Premier provides dry van trailers, refrigerated trailers, refrigerated lift gate trailers, lift gate trailers, flatbed trailers and chassis trailers ("shipment conveyance devices"), which incorporate monitoring and control systems, for shipping and/or delivering goods, products, items, and/or other objects.
- 67. As described above (*see* ¶ 50), and upon information and belief, Premier provides a global positioning device, wherein the global positioning device is located in, on, or at, the shipment conveyance device, and further wherein the global positioning device determines a position or

location of the shipment conveyance device. For example, Premier's shipping containers incorporate a monitoring and control system which comprises a global positioning device to determine a position/location of the shipping container.

- 68. As described above (see ¶ 51), and upon information and belief, Premier also provides a processor, wherein the processor processes information regarding the shipment conveyance device in response to an occurrence of an event or in response to a request for information regarding the shipment conveyance device, and further wherein the processor generates a message in response to the occurrence of the event or in response to the request for information regarding the shipment conveyance device. For example, Premier's shipping containers incorporate a monitoring and control system which, on information and belief, include processing devices which measure information related to the shipping container, including one or more of, but not limited to, the location of the shipping container and the temperature in the shipping container. Therefore, Premier provides a processor which processes information regarding the shipment conveyance device. As a further example, Premier's shipping containers equipped with a monitoring and control system detect an event including one or more of, but not limited to, deviation in temperature and deviation in planned route and, in response to the detected event, send alerts ("message") containing information about the event to the customers of Premier. On information and belief, these alerts are viewed via a desktop application and/or a mobile application provided by Premier. Therefore, on information and belief, Premier provides a processor which generates a message in response to occurrence of an event and the message contains information regarding the position and location of the shipment conveyance device.
- 69. As described above ($see \ \P 52$), and upon information and belief, Premier provides a transmitter, wherein the transmitter is located in, on, or at, the shipment conveyance device, and further wherein

the transmitter transmits the message to a communication device associated with an owner of the shipment conveyance device, a receiver of the shipment conveyance device, or an individual authorized to receive the message. For example, Premier's shipping containers ("shipment conveyance device"), that incorporate a monitoring and control system, send information ("message") including one or more of, but not limited to, location and temperature, to Premier's customers. As a result, the customers monitor their shipments present in the shipping containers using a computer or mobile device. Therefore, Premier provides a transmitter for transmitting a message to a communication device associated with an owner or an individual authorized to receive the message.

- 70. As described above (*see* ¶ 53), and upon information and belief, Defendant provides a sensor, wherein the sensor monitors or measures a temperature during a shipment or a transportation of the shipment conveyance device, a shock exerted on the shipment conveyance device, an impact exerted on the shipment conveyance device. For example, Premier's shipping containers, that incorporate a monitoring and control system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Premier's shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device.
- 71. As described above (*see* ¶ 54), and upon information and belief, Premier also provides a message which contains information regarding a temperature during the shipment or the transportation, a change in a shipment or transportation temperature, or an impact or force exerted on the shipment conveyance device. For example, Premier's shipping containers, that incorporate a monitoring and control system, monitors at least a temperature in the shipping container and transmits this

temperature information ("message") to Premier's customers. As a further example, Premier's shipping containers detects changes in the temperature in the shipping container and transmit an alert ("message") to Premier's customers if the change exceeds a predetermined threshold. Therefore, Premier provides a message which contains information regarding temperature of shipment.

- As described above (*see* ¶ 55), and upon information and belief, Premier further provides an apparatus wherein the event is a detection of a deviation from a pre-determined shipment or transportation route associated with a shipment or a transportation of or involving the shipment conveyance device. For example, Premier's shipping, that incorporate a monitoring and control system, include software for geofencing that ensures the container stays within a specified port or roadway. Therefore, on information and belief, Premier's shipping containers detect events related to deviation from a pre-determined transportation route (e.g., "geofencing").
- 73. As described above (*see* ¶ 56), and upon information and belief, Premier further provides an apparatus wherein the shipping container, the pallet, or the piece of luggage, is a refrigerated container, a heated container, or an insulated container. For example, some of Premier's shipping containers are temperature controlled containers.
- 74. To the extent Premier continues, and has continued, its infringing activities noted above in an infringing manner post-notice of the '029 Patent, such infringement is necessarily willful and deliberate.
- 75. On information and belief, Premier has a policy or practice of not reviewing the patents of others. Further on information and belief, Premier instructs its employees to not review the patents of others for clearance or to assess infringement thereof. As such, Premier has been willfully blind to the patent rights of Plaintiff.
- 76. Each of Premier's aforesaid activities has been without authority and/or license from Plaintiff.

COUNT III

(Infringement of U.S. Patent No. 7,482,920)

- 77. Plaintiff incorporates the above paragraphs by reference.
- 78. Premier has been on actual notice of the '920 Patent at least as early as the date it received service of this Original Complaint.
- 79. On information and belief, Premier owns and controls the operation of the Accused Instrumentalities and generates substantial financial revenues therefrom.
- 80. Upon information and belief, Premier has directly infringed and continue to directly infringe at least Claims 1, 5, 9, 11, and 16 of the '920 Patent by making, using, importing, selling, and/or, offering for sale the Accused Instrumentalities.
- Premier, with knowledge of the '920 Patent, also infringes at least Claims 1, 5, 9, 11, and 16 of the '920 Patent by inducing others to infringe the '920 Patent. In particular, Premier intends to induce its customers to infringe the '920 Patent by encouraging its customers to use the Accused Instrumentalities in a manner that results in infringement.
- 82. Premier also induces others, including its customers, to infringe at least Claims 1, 5, 9, 11, and 16 of the '920 Patent by providing technical support for the use of the Accused Instrumentalities.
- As described above (*see* ¶ 49), and upon information and belief, Premier makes, uses, sells and offers for sale an apparatus, comprising, a shipment conveyance device, wherein the shipment conveyance device is a smart container, a pallet, or a piece of luggage. For example, Premier provides dry van trailers, refrigerated trailers, refrigerated lift gate trailers, lift gate trailers, flatbed trailers and chassis trailers ("shipment conveyance devices"), which incorporate monitoring and control systems, for shipping and/or delivering goods, products, items, and/or other objects.

84. Upon information and belief, Premier provides a memory device, wherein the memory device is located in, on, or at, the shipment conveyance device, wherein the memory device stores information regarding a description of a good, product, or item, being shipped or transported via or which is contained in or on the shipment conveyance device, and origination information, sender information, shipper information, destination information, receiver information, handling instruction information, delivery instruction information, invoice information, packing slip information, delivery time information, or payment instruction information, regarding the shipment conveyance device. For example, Premier's shipping containers are equipped with a monitoring and control system which comprise sensors including one or more of, but not limited to, a GPS sensor and a temperature sensor. As a further example, and on information and belief, Premier's shipping containers equipped with a monitoring and control system store at least an identification of Premier (since it communicates the position of the container and measurements from the sensors), and therefore Premier provides a memory device which stores at least one or more of origination information, sender information, and shipper information regarding the shipment conveyance device. As a further example, Premier's shipping containers equipped with a monitoring and control system store at least an identification of Premier's container (since it communicates the position of the container and measurements from the sensors), and therefore Premier provides a memory device which stores at least one or more of origination information, sender information, and shipper information regarding the shipment conveyance device. As a further example, Premier's shipping containers equipped with a monitoring and control system store at least an identification of Premier's customer (since it communicates the position of the container and measurements from the sensors to Premier (who may have multiple customers availing Premier's services at any given time) and Premier must correlate the information to the particular customer in order to provide updates to the customer), and therefore

Premier provides a memory device which stores at least one or more of origination information, sender information, shipper information, destination information and receiver information regarding the shipment conveyance device. See Figures 2-11 above.

- As described above (*see* ¶ 50), and upon information and belief, Premier provides a global positioning device, wherein the global positioning device is located in, on, or at, the shipment conveyance device, and further wherein the global positioning device determines a position or location of the shipment conveyance device. For example, Premier's shipping containers incorporate a monitoring and control system which comprises a global positioning device to determine a position/location of the shipping container.
- 86. As described above (see ¶ 51), and upon information and belief, Premier also provides a processing device, wherein the processing device processes information regarding the shipment conveyance device in response to an occurrence of an event or in response to a request for information regarding the shipment conveyance device, wherein the processing device generates a message containing information regarding the position or location of the shipment conveyance device and information regarding the occurrence of an event, a status of a shipment or a transportation of or involving the shipment conveyance device, a shipment or transportation temperature, or an impact or force on the shipment conveyance device. For example, Premier's shipping containers incorporate a monitoring and control system which, on information and belief, include processing devices which measure information related to the shipping container, including one or more of, but not limited to, the location of the shipping container and the temperature in the shipping container. Therefore, Premier provides a processor which processes information regarding the shipment conveyance device. As a further example, Premier's shipping containers equipped with a monitoring and control system detect an event including one or more of, but not limited to, deviation in temperature and deviation

in planned route and, in response to the detected event, send alerts ("message") containing information about the event to the customers of Premier. On information and belief, these alerts are viewed via a desktop application and/or a mobile application provided by Premier. Therefore, on information and belief, Premier provides a processing device which generates a message in response to occurrence of an event and the message contains information regarding the position and location of the shipment conveyance device. As a further example, Premier's shipping containers, that incorporate a monitoring and control system, measure information using sensors including one or more of, but not limited to, a GPS sensor and a temperature sensor, and transmit information in the form of alerts to Premier's customers after a request for information is received by Premier.

87. As described above (see ¶ 52), and upon information and belief, Premier provides a transmitter, wherein the transmitter is located in, on, or at, the shipment conveyance device, wherein the transmitter transmits the message to a communication device associated with an individual or entity, a sender of the shipment conveyance device, a receiver of the shipment conveyance device, a Premier of the shipment conveyance device, or an individual or entity authorized to receive information regarding the shipment conveyance device or information regarding a shipment or a transportation of or involving the shipment conveyance device. For example, Premier's shipping containers ("shipment conveyance device"), that incorporate a monitoring and control system, send information ("message") including one or more of, but not limited to, location and temperature, to Premier's customers. As a result, the customers monitor their shipments present in the shipping containers using a computer or mobile device. Therefore, Premier provides a transmitter for transmitting a message to a communication device associated with an owner or an individual authorized to receive the message.

- 88. As described above (*see* ¶ 53), and upon information and belief, Premier provides a sensor, wherein the sensor monitors or measures a temperature during a shipment or the transportation of the shipment conveyance device, a shock exerted on the shipment conveyance device, an impact exerted on the shipment conveyance device. For example, Premier's shipping containers, that incorporate a monitoring and control system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Premier's shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device.
- 89. As described above (*see* ¶ 54), and upon information and belief, Premier also provides a message which contains information regarding a temperature during the shipment or the transportation, a change in a shipment or transportation temperature, or an impact or force exerted on the shipment conveyance device. For example, Premier's shipping containers, that incorporate a monitoring and control system, monitors at least a temperature in the shipping container and transmits this temperature information ("message") to Premier's customers. As a further example, Premier's shipping containers detects changes in the temperature in the shipping container and transmit an alert ("message") to Premier's customers if the change exceeds a predetermined threshold. Therefore, Premier provides a message which contains information regarding temperature of shipment.
- 90. As described above (*see* ¶ 55), and upon information and belief, Premier further provides an apparatus wherein the event is a detection of a deviation from a pre-determined shipment or transportation route associated with the shipment or a transportation of or involving the shipment conveyance device. For example, Premier's shipping, that incorporate a monitoring and control system, include software for geofencing that ensures the container stays within a specified port or

roadway. Therefore, on information and belief, Premier's shipping containers detect events related to deviation from a pre-determined transportation route (e.g., "geofencing").

- 91. Upon information and belief, Premier further provides an apparatus wherein the event is a detection of a shipment or transportation temperature which deviates from a shipment or transportation temperature requirement. For example, Premier's shipping containers equipped a monitoring and control system transmit alerts to Premier's customers when the temperature in the container is detected beyond a threshold, and therefore, detects events including, but not limited to, deviation in shipment temperature. See Figures 3, 4, 10 and 11 above.
- 92. As described above (*see* ¶ 56), and upon information and belief, Premier further provides an apparatus wherein the shipping container, the pallet, or the piece of luggage, is a refrigerated container, a heated container, or an insulated container. For example, some of Premier's shipping containers are temperature controlled containers.
- 93. To the extent Premier continues, and has continued, its infringing activities noted above in an infringing manner post-notice of the '920 Patent, such infringement is necessarily willful and deliberate.
- 94. On information and belief, Premier has a policy or practice of not reviewing the patents of others. Further on information and belief, Premier instructs its employees to not review the patents of others for clearance or to assess infringement thereof. As such, Premier has been willfully blind to the patent rights of Plaintiff.
- 95. Each of Premier's aforesaid activities has been without authority and/or license from Plaintiff.

COUNT IV

(Infringement of U.S. Patent No. 10,796,268)

96. Plaintiff incorporates the above paragraphs by reference.

- 97. Premier has been on actual notice of the '268 Patent at least as early as the date it received service of this Original Complaint.
- 98. On information and belief, Premier owns and controls the operation of the Accused Instrumentalities and generates substantial financial revenues therefrom.
- 99. Upon information and belief, Premier has directly infringed and continue to directly infringe at least Claims 1, 8, 10 and 12 of the '268 Patent by making, using, importing, selling, and/or, offering for sale the Accused Instrumentalities.
- 100. Premier, with knowledge of the '268 Patent, also infringes at least Claims 1, 8, 10 and 12 of the '268 Patent by inducing others to infringe the '268 Patent. In particular, Premier intends to induce its customers to infringe the '268 Patent by encouraging its customers to use the Accused Instrumentalities in a manner that results in infringement.
- 101. Premier also induces others, including its customers, to infringe at least Claims 1, 8, 10 and 12 of the '268 Patent by providing technical support for the use of the Accused Instrumentalities.
- 102. As described above (*see* ¶ 49), and upon information and belief, Premier makes, uses, sells and offers for sale an apparatus, comprising, a shipment conveyance device, wherein the shipment conveyance device is a shipping container, a pallet, or a piece of luggage. For example, Premier provides dry van trailers, refrigerated trailers, refrigerated lift gate trailers, lift gate trailers, flatbed trailers and chassis trailers ("shipment conveyance devices"), which incorporate monitoring and control systems, for shipping and/or delivering goods, products, items, and/or other objects.
- 103. As described above (*see* ¶ 50), and upon information and belief, Premier provides a global positioning device, wherein the global positioning device is located in, on, or at, the shipment conveyance device, and further wherein the global positioning device determines a position or location of the shipment conveyance device. For example, Premier's shipping containers

incorporate a monitoring and control system which comprises a global positioning device to determine a position/location of the shipping container.

104. As described above (see ¶ 51), and upon information and belief, Premier also provides a processor, wherein the processor generates a message in response to an occurrence of an event, or in response to a request for information regarding the shipment conveyance device which is automatically received by a receiver, wherein the message contains information regarding a shipment of the shipment conveyance device. For example, Premier's shipping containers incorporate a monitoring and control system which, on information and belief, include processing devices which measure information related to the shipping container, including one or more of, but not limited to, the location of the shipping container and the temperature in the shipping container. Therefore, Premier provides a processor which processes information regarding the shipment conveyance device. As a further example, Premier's shipping containers equipped with a monitoring and control system detect an event including one or more of, but not limited to, deviation in temperature and deviation in planned route and, in response to the detected event, send alerts ("message") containing information about the event to the customers of Premier. On information and belief, these alerts are viewed via a desktop application and/or a mobile application provided by Premier. Therefore, on information and belief, Premier provides a processor which generates a message in response to occurrence of an event and the message contains information regarding the position and location of the shipment conveyance device. As a further example, Premier's shipping containers, that incorporate a monitoring and control system, measure information using sensors including one or more of, but not limited to, a GPS sensor and a temperature sensor, and transmit information in the form of alerts to Premier's customers after a request for information is received by Premier

- automatically. Therefore, on information and belief, Premier provides a receiver which receives a request for information automatically.
- 105. As described above (*see* ¶ 52), and upon information and belief, Premier provides a transmitter, wherein the transmitter is located in, on, or at, the shipment conveyance device, and further wherein the transmitter transmits the message to a communication device associated with an owner of the shipment conveyance device or an individual authorized to receive the message. For example, Premier's shipping containers ("shipment conveyance device"), that incorporate a monitoring and control system, send information ("message") including one or more of, but not limited to, location and temperature, to Premier's customers. As a result, the customers monitor their shipments present in the shipping containers using a computer or mobile device. Therefore, Premier provides a transmitter for transmitting a message to a communication device associated with an owner or an individual authorized to receive the message.
- 106. As described above (*see* ¶ 53), and upon information and belief, Premier provides a sensor, wherein the sensor monitors or measures a temperature during a shipment or a transportation of the shipment conveyance device, a shock exerted on the shipment conveyance device, an impact exerted on the shipment conveyance device. For example, Premier's shipping containers, that incorporate a monitoring and control system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Premier's shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device.
- 107. As described above ($see \ \P 54$), and upon information and belief, Premier also provides a message which contains information regarding a temperature during the shipment or the transportation, a

change in a shipment or transportation temperature, or an impact or force exerted on the shipment conveyance device. For example, Premier's shipping containers, that incorporate a monitoring and control system, monitors at least a temperature in the shipping container and transmits this temperature information ("message") to Premier's customers. As a further example, Premier's shipping containers detects changes in the temperature in the shipping container and transmit an alert ("message") to Premier's customers if the change exceeds a predetermined threshold. Therefore, Premier provides a message which contains information regarding temperature of shipment.

- 108. As described above (*see* ¶ 55), and upon information and belief, Premier further provides an apparatus wherein the event is a detection of a deviation from a pre-determined shipment or transportation route associated with a shipment or a transportation of or involving the shipment conveyance device. For example, Premier's shipping, that incorporate a monitoring and control system, include software for geofencing that ensures the container stays within a specified port or roadway. Therefore, on information and belief, Premier's shipping containers detect events related to deviation from a pre-determined transportation route (e.g., "geofencing").
- 109. As described above (*see* ¶ 56), and upon information and belief, Premier further provides an apparatus wherein the shipping container, the pallet, or the piece of luggage, is a refrigerated container, a heated container, or an insulated container. For example, some of Premier's shipping containers are temperature controlled containers.
- 110. To the extent Premier continues, and has continued, its infringing activities noted above in an infringing manner post-notice of the '268 Patent, such infringement is necessarily willful and deliberate.
- 111. On information and belief, Premier has a policy or practice of not reviewing the patents of others.

 Further on information and belief, Premier instructs its employees to not review the patents of others

for clearance or to assess infringement thereof. As such, Premier has been willfully blind to the patent rights of Plaintiff.

112. Each of Premier's aforesaid activities has been without authority and/or license from Plaintiff.

COUNT V

(Infringement of U.S. Patent No. 7,253,731)

- 113. Plaintiff incorporates the above paragraphs by reference.
- 114. Premier has been on actual notice of the '731 Patent at least as early as the date it received service of this Original Complaint.
- 115. On information and belief, Premier owns and controls the operation of the Accused Instrumentalities and generates substantial financial revenues therefrom.
- 116. Upon information and belief, Premier has directly infringed and continue to directly infringe at least Claims 1, 5, 9, 11, and 16 of the '731 Patent by making, using, importing, selling, and/or, offering for sale the Accused Instrumentalities.
- 117. Premier, with knowledge of the '731 Patent, also infringes at least Claims 1, 5, 9, 11, and 16 of the '731 Patent by inducing others to infringe the '731 Patent. In particular, Premier intends to induce its customers to infringe the '731 Patent by encouraging its customers to use the Accused Instrumentalities in a manner that results in infringement.
- 118. Premier also induces others, including its customers, to infringe at least Claims 1, 5, 9, 11, and 16 of the '268 Patent by providing technical support for the use of the Accused Instrumentalities.
- 119. As described above (*see* ¶ 49), and upon information and belief, Premier makes, uses, sells and offers for sale an apparatus, comprising, a shipment conveyance device, wherein the shipment conveyance device is associated with a shipment, and further wherein the shipment conveyance device is at least one of a shipping container, a pallet, and a tote. For example, Premier provides dry

van trailers, refrigerated trailers, refrigerated lift gate trailers, lift gate trailers, flatbed trailers and chassis trailers ("shipment conveyance devices"), which incorporate monitoring and control systems, for shipping and/or delivering goods, products, items, and/or other objects.

120. As described above (see ¶ 84), and upon information and belief, Premier provides a memory device, wherein the memory device is located in, on, or at, the shipment conveyance device, wherein information regarding the shipment is stored in the memory device, and further wherein the information regarding the shipment includes a description of a good, product, or item, being shipped or transported via the shipment conveyance device, and at least one of origination information, sender information, shipper information, destination information, receiver information, handling instruction information, delivery instruction information, invoice information, packing slip information, delivery time information, and payment instruction information, regarding the shipment. For example, Premier's shipping containers are equipped with a monitoring and control system which comprise sensors including one or more of, but not limited to, a GPS sensor and a temperature sensor. As a further example, and on information and belief, Premier's shipping containers equipped with a monitoring and control system store at least an identification of Premier (since it communicates the position of the container and measurements from the sensors), and therefore Premier provides a memory device which stores at least one or more of origination information, sender information, and shipper information regarding the shipment conveyance device. As a further example, Premier's shipping containers equipped with a monitoring and control system store at least an identification of Premier's container (since it communicates the position of the container and measurements from the sensors), and therefore Premier provides a memory device which stores at least one or more of origination information, sender information, and shipper information regarding the shipment conveyance device. As a further example, Premier's shipping containers equipped with a monitoring and control system store at least an identification of Premier's customer (since it communicates the position of the container and measurements from the sensors to Premier (who may have multiple customers availing Premier's services at any given time) and Premier must correlate the information to the particular customer in order to provide updates to the customer), and therefore Premier provides a memory device which stores at least one or more of origination information, sender information, shipper information, destination information and receiver information regarding the shipment conveyance device.

- 121. As described above (*see* ¶ 50), and upon information and belief, Premier provides a global positioning device, wherein the global positioning device is located in, on, or at, the shipment conveyance device, and further wherein the global positioning device determines a position or location of the shipment conveyance device. For example, Premier's shipping containers incorporate a monitoring and control system which comprises a global positioning device to determine a position/location of the shipping container.
- 122. As described above (*see* ¶¶ 51, 53 and 54), and upon information and belief, Premier also provides a processing device, wherein the processing device processes at least one of information regarding the shipment and information regarding the shipment conveyance device in response to an occurrence of an event or in response to a request for information regarding the shipment or the shipment conveyance device, wherein the processing device generates a message containing information regarding the position or location of the shipment or the shipment conveyance device and information regarding at least one of the occurrence of an event, a status of the shipment, a shipment temperature, and an impact or force on the shipment conveyance device. For example, Premier's shipping containers incorporate a monitoring and control system which, on information and belief, include processing devices which measure information related to the shipping container, including

one or more of, but not limited to, the location of the shipping container and the temperature in the shipping container. Therefore, Premier provides a processing device which processes information regarding the shipment conveyance device. As a further example, Premier's shipping containers equipped with a monitoring and control system detect an event including one or more of, but not limited to, deviation in temperature and deviation in planned route and, in response to the detected event, send alerts ("message") containing information about the event to the customers of Premier. On information and belief, these alerts are viewed via a desktop application and/or a mobile application provided by Premier. Therefore, on information and belief, Premier provides a processing device which generates a message in response to occurrence of an event and the message contains information regarding the position and location of the shipment conveyance device. As a further example, Premier's shipping containers, that incorporate a monitoring and control system, measure information using sensors including one or more of, but not limited to, a GPS sensor and a temperature sensor, and transmit information in the form of alerts to Premier's customers after a request for information is received by Premier automatically. As a further example, Premier's shipping containers, that incorporate a monitoring and control system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Premier's shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device. As a further example, Premier's shipping containers, that incorporate a monitoring and control system, monitors at least a temperature in the shipping container and transmits this temperature information ("message") to Premier's customers. As a further example, Premier's shipping containers detects changes in the temperature in the shipping container and transmit an alert ("message") to Premier's customers if the change exceeds a

- predetermined threshold. Therefore, Premier provides a message which contains information regarding temperature of shipment.
- 123. As described above (*see* ¶ 52), and upon information and belief, Premier provides a transmitter, wherein the transmitter is located in, on, or at, the shipment conveyance device, and further wherein the transmitter transmits the message to a communication device associated with at least one of an individual or entity, a sender of the shipment, a receiver of the shipment, a Premier of the shipment, and an individual or entity authorized to receive information regarding the shipment or the shipment conveyance device. For example, Premier's shipping containers ("shipment conveyance device"), that incorporate a monitoring and control system, send information ("message") including one or more of, but not limited to, location and temperature, to Premier's customers. As a result, the customers monitor their shipments present in the shipping containers using a computer or mobile device. Therefore, Premier provides a transmitter for transmitting a message to a communication device associated with an owner or an individual authorized to receive the message.
- 124. As described above (*see* ¶ 53), and upon information and belief, Premier provides a sensor, wherein the sensor monitors or measures at least one of a temperature during shipment, a shock exerted on the shipment conveyance device, an impact exerted on the shipment conveyance device, and a force exerted on the shipment conveyance device. For example, Premier's shipping containers, that incorporate a monitoring and control system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Premier's shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device.

- 125. As described above (*see* ¶ 54), and upon information and belief, Premier also provides a message which contains information regarding at least one of a temperature of the shipment, a change in a shipment temperature, and an impact or force exerted on the shipment conveyance device. For example, Premier's shipping containers, that incorporate a monitoring and control system, monitors at least a temperature in the shipping container and transmits this temperature information ("message") to Premier's customers. As a further example, Premier's shipping containers detects changes in the temperature in the shipping container and transmit an alert ("message") to Premier's customers if the change exceeds a predetermined threshold. Therefore, Premier provides a message which contains information regarding temperature of shipment.
- 126. As described above (*see* ¶ 55), and upon information and belief, Premier further provides an apparatus wherein the event is a detection of a deviation from a pre-determined transportation route associated with the shipment. For example, Premier's shipping, that incorporate a monitoring and control system, include software for geofencing that ensures the container stays within a specified port or roadway. Therefore, on information and belief, Premier's shipping containers detect events related to deviation from a pre-determined transportation route (e.g., "geofencing").
- 127. As described above (*see* ¶ 91), and upon information and belief, Premier further provides an apparatus wherein the event is a detection of a shipment temperature which deviates from a shipment temperature requirement. For example, Premier's shipping containers equipped a monitoring and control system transmit alerts to Premier's customers when the temperature in the container is detected beyond a threshold, and therefore, detects events including, but not limited to, deviation in shipment temperature.
- 128. As described above (*see* ¶ 56), and upon information and belief, Premier further provides an apparatus wherein the shipping container, the pallet, or the piece of luggage, is a refrigerated

- container, a heated container, or an insulated container. For example, some of Premier's shipping containers are temperature controlled containers.
- 129. To the extent Premier continues, and has continued, its infringing activities noted above in an infringing manner post-notice of the '731 Patent, such infringement is necessarily willful and deliberate.
- 130. On information and belief, Premier has a policy or practice of not reviewing the patents of others. Further on information and belief, Premier instructs its employees to not review the patents of others for clearance or to assess infringement thereof. As such, Premier has been willfully blind to the patent rights of Plaintiff.
- 131. Each of Premier's aforesaid activities has been without authority and/or license from Plaintiff.

PRAYER FOR RELIEF

WHEREFORE, Transcend respectfully requests the Court enter judgment against Premier:

- 1. Declaring that Premier has infringed each of the Transcend Patents;
- 2. Declaring that Premier's infringement of each of the Transcend Patents has been willful and deliberate;
- Awarding Transcend compensatory damages as a result of Premier's infringement of the Transcend Patents;
- 4. Awarding Transcend treble damages and pre-judgment interest under 35 U.S.C. § 284 as a result of Premier's willful and deliberate infringement of the Transcend Patents;
- 5. Granting a permanent injunction pursuant to 35 U.S.C. § 283, enjoining Premier from further acts of infringement with respect to the Transcend Patents;
- 6. Awarding Transcend its costs, attorneys' fees, expenses, and interest;

- 7. Awarding Transcend ongoing post-trial royalties; and
- 8. Granting Transcend such further relief as the Court finds appropriate.

JURY DEMAND

Transcend demands trial by jury, under Fed. R. Civ. P. 38.

Dated: February 23, 2022 Respectfully Submitted

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